

## METHODS AND SYSTEM FOR MULTI-MODALITY IMAGING

### ABSTRACT OF THE DISCLOSURE

A method of examining a patient is provided. The method includes aligning a patient table in an opening of a gantry unit that includes a CZT photon detector and an x-ray source, imaging a patient utilizing a first imaging modality during a first portion of a scan using the CZT detector, and imaging a patient utilizing a second imaging modality during a second portion of the scan using the CZT detector wherein the second imaging modality is different than the first imaging modality.